Public Attachments

EPA Assessment Report

3580

SFUND RECORDS CTR
2275115

MEMORANDUM

To: Jere Johnson, EPA Region IX
Work Assignment Manager

From: William E. Ritthaler, URS Consultants, Inc. WR

Subject: Completed Work

cc: Wenona Garside, EPA Region IX Contract Officer
Sherry Nikzat, EPA Region IX Project Officer

Attached is the following completed:

PA: ☑ PA Sum: ☐ SI: ☐ ESI: ☐ SI Sum: ☐

Other: _____

Site Name: Alemany Housing Project

EPA ID#: CAD983620642

Latitude: 37°43' 57" N

Longitude: 122°25' 04" W

City, County: San Francisco, San Francisco County

State Recommendation:

(for reviews only)

For EPA Use Only

CERCLIS Lead: F/PA Complete/"L" 6.8.93/SMJ

3530

Purpose: CERCLA Preliminary Assessment

Site: Alemany Housing Project
956 Ellsworth Avenue
San Francisco, California 94110
San Francisco County

EPA FINAL REPORT

Site EPA ID Number: CAD983620642

URS Investigators: Tracy A. Faulkner
Kenyon A. Larsen

Date of Inspection: January 22, 1993

Report Prepared By: Tracy A. Faulkner

Report Reviewed By: Kenyon A. Larsen

Review/Concurrence: William E. Faulkner

Report Date: October 1, 1993

Document Control No.: 62210.88.33.660 05.a.1

Submitted To: Jere Johnson
EPA Region IX
Work Assignment Manager

1.0 Introduction

The U.S. Environmental Protection Agency (EPA), Region IX, under authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA) has tasked URS Consultants, Inc. to conduct a Preliminary Assessment (PA) of the Alemany Housing Project in San Francisco, San Francisco County, California.

The purpose of the PA is to review existing information on the site and its environs to assess the threat(s), if any, posed to public health, welfare, or the environment and to determine if further investigation under CERCLA/SARA is warranted. The scope of the PA includes the review of information available from federal, state, and local agencies, and performance of an on-site reconnaissance visit.

Using these sources of information, the site is then evaluated using EPA's Hazard Ranking System (HRS) criteria to assess the relative threat associated with actual or potential releases of hazardous substances at the site. The HRS has been adopted by EPA to help set priorities for further evaluation and eventual remedial action at hazardous waste sites. The HRS is the primary method of determining a site's eligibility for placement on EPA's National Priorities List (NPL). The NPL identifies sites at which EPA may conduct remedial response actions. This report summarizes URS' findings of these preliminary investigative activities.

The Alemany Housing Project was listed in the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database on March 6, 1992. The site was listed in CERCLIS due to newspaper articles printed in the San Francisco Independent on September 13, 1991 and March 3, 1992. These articles reported that lead contaminated soil posed a potential health risk to the housing residents (1,2).

1.1 Apparent Problem

The Alemany Housing Project consists of 25 buildings with planter areas, playgrounds, and open space turf areas. All soil at the site is reported to contain elevated levels of lead. One hundred and seventy-one discrete and composite soil samples have been collected from the site. Total lead concentrations in these soil samples ranged from 59 to 3,600 parts per million (ppm). Soil exceeding 1,000 ppm of total lead was excavated and removed from the site in April 1992. Soil was also excavated if it exceeded 500 ppm of lead and was located in planter areas adjacent to the buildings' porches. Approximately 45 cubic yards of soil is reported to have been excavated and removed from the site. After remediation activities, the site continues to have lead contaminated soil. A composite soil sample soil taken in a turf area north of Building 25 revealed 995 ppm of total lead. Composite soil samples collected along the roadway north of Alemany Boulevard and south of Buildings 13, 14, 16, 17, and 20 contained lead concentrations ranging from 552 to 844 ppm. Soil has not been removed in either of these areas (3,4,5).

2.0 Site Description

2.1 Site Location

The Alemany Housing Project (Alemany or site) is located at 956 Ellsworth Avenue San Francisco, California. The geographic coordinates for the site are latitude 37°43'57" North and longitude 122°25'04" West. Alemany is located in Township 2 South, Range 5 West. The site is approximately 5 miles west of the San Francisco Bay (see Figure 1, Site Location Map) (6).

2.2 Site Description

The Alemany Housing Project consists of 25 buildings (including one day care center), several open space turf areas, five playgrounds, and a roadway area. The roadway area is south of the buildings. The entire site is approximately 8 acres (350,000 square feet). There are a total of 156 dwelling units in the 25 buildings. Several buildings at the site have been undergoing renovation for approximately 3 years. One-hundred and two units have been completely renovated, and 54 units are in various stages of renovation (see Figures 2A and 2B, Facility Maps) (5). Land within 1 mile of the site consists of a residential area to the north east and west. Alemany Boulevard and Interstate 280 (I-280) border the site to the south. I-280 was constructed next to Alemany Boulevard in October 1963 (5,7).

2.3 Operational History

The site was privately owned before the San Francisco Housing Authority (SFHA) purchased the property in 1952. A 1948 aerial photo indicates that the site was an undeveloped area prior to construction of the housing project in 1955 (8).

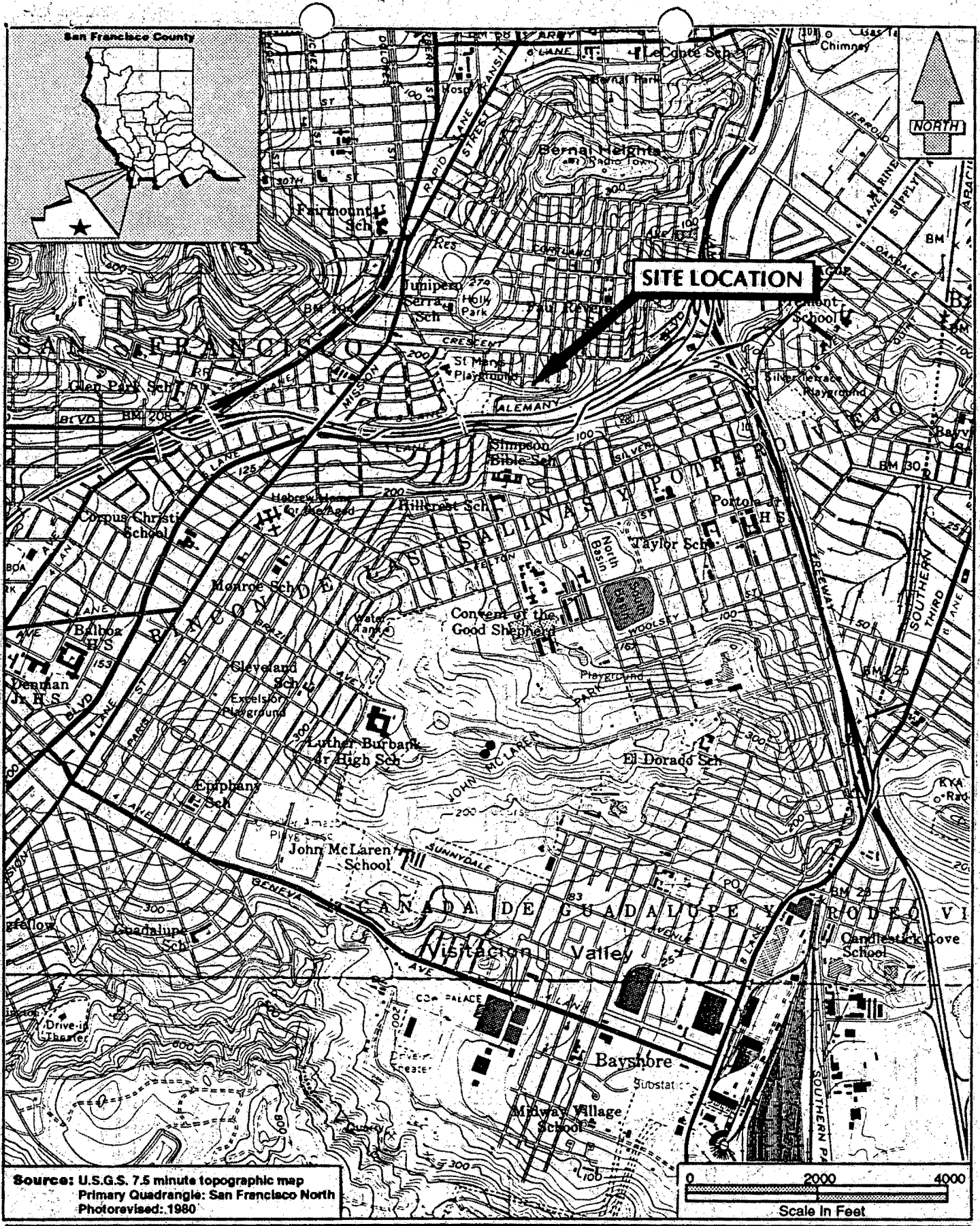
Construction of the housing project began in 1955 and was completed by 1960. Rehabilitation of the buildings and landscape began in 1989 and is ongoing. The Alemany Housing Project currently provides low-income housing for approximately 275 people. By July 1993, the project will house approximately 396 people (5,9).

2.4 Regulatory Involvement

The Alemany Housing Project was listed in the CERCLIS database on March 6, 1992. The site is not listed in the Resource Conservation and Recovery Act database as of July 31, 1992.

Environmental Protection Agency Research and Development Division, North Carolina (EPA R&D)

EPA R&D advised the SFHA on EPA guidance for site clean-up levels of lead contaminated soils. EPA R&D is developing a report on lead contamination in soil. The issue date of this report is unknown. EPA currently does not have standard clean-up levels for lead in soil. The EPA R&D's guidance action level for lead contaminated soil in the Superfund program is 500 to 1,000 ppm (3,10).



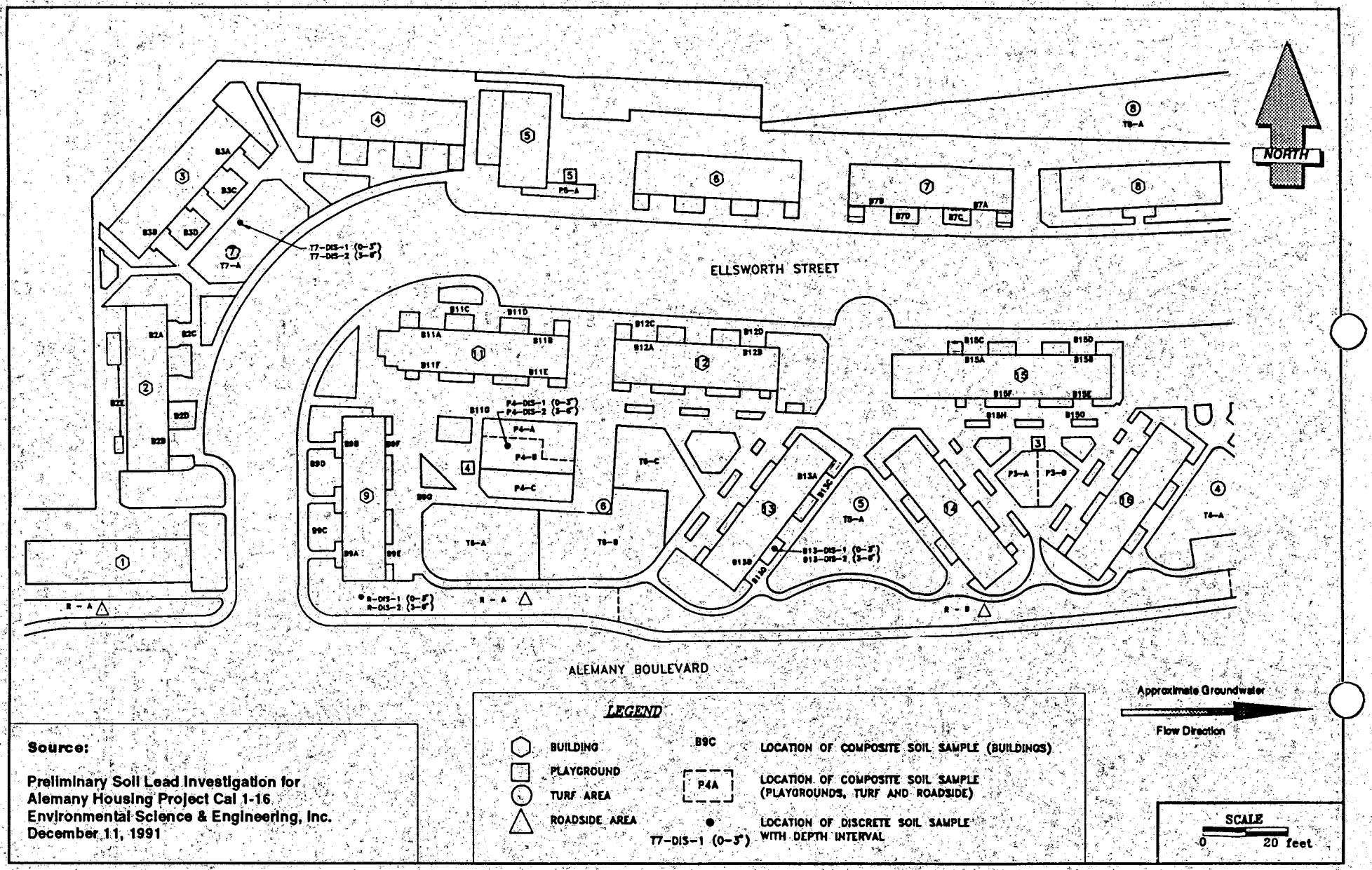
URS Consultants
100 California Street, Suite 500
San Francisco, CA 94111
January 25, 1993

Site Location Map

Alemany Housing Project
956 Ellsworth Ave., San Francisco, CA

FIGURE

1



LEGEND

- BUILDING
- PLAYGROUND
- TURF AREA
- ROADSIDE AREA
- B9C — LOCATION OF COMPOSITE SOIL SAMPLE (BUILDINGS)
- P4A — LOCATION OF COMPOSITE SOIL SAMPLE (PLAYGROUNDS, TURF AND ROADSIDE)
- T7-DIS-1 (0-3') — LOCATION OF DISCRETE SOIL SAMPLE WITH DEPTH INTERVAL

Source:

Preliminary Soil Lead Investigation for
Alemany Housing Project Cal 1-16
Environmental Science & Engineering, Inc.
December 11, 1991

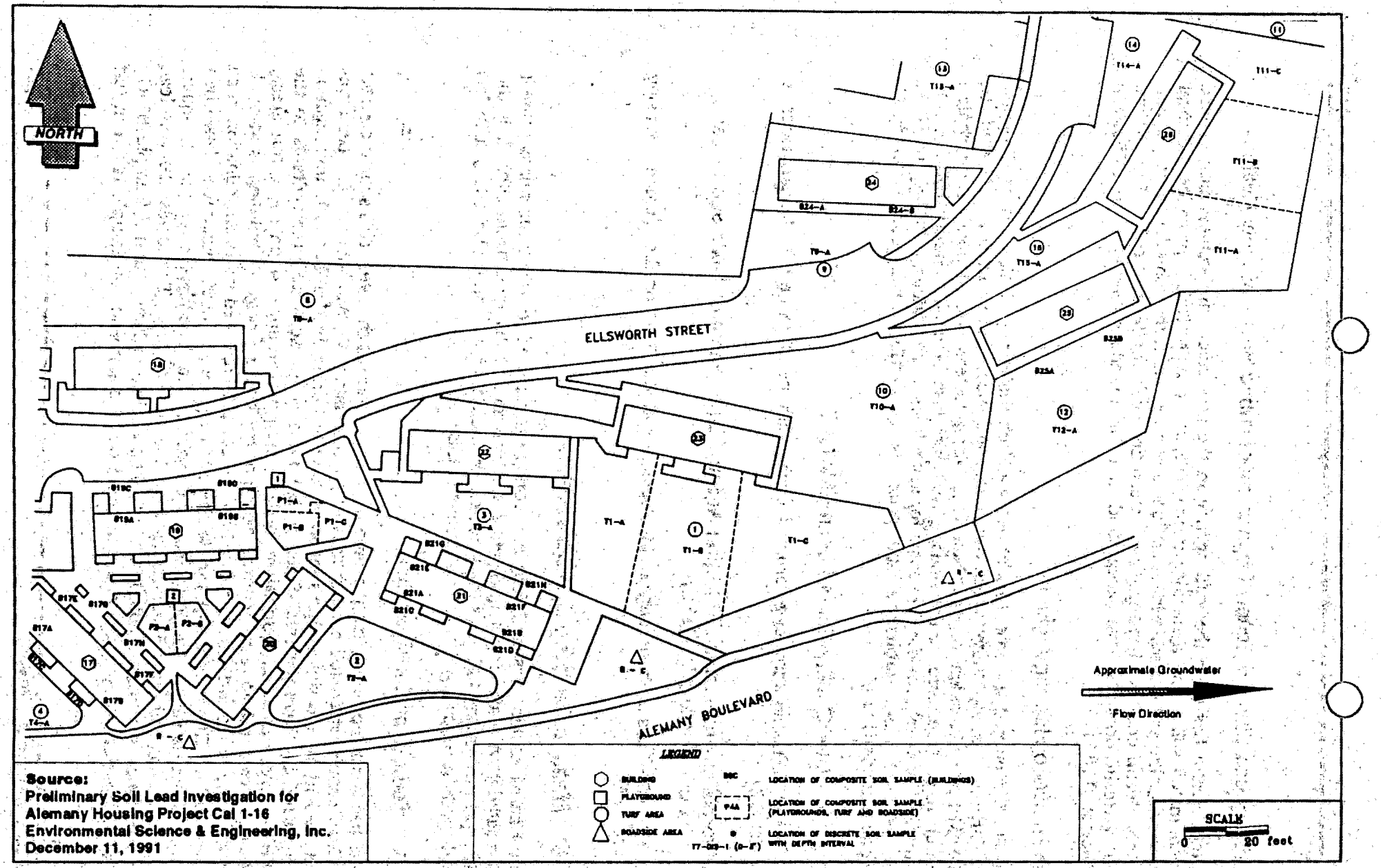
URS Consultants
100 California Street
San Francisco, CA 94111
March 6, 1993

Facility Map

Alemany Housing Project
956 Ellsworth Ave., San Francisco, CA

FIGURE

2A



Source:
Preliminary Soil Lead Investigation for Alemany Housing Project Cal 1-16
Environmental Science & Engineering, Inc.
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URS Consultants
100 California Street
San Francisco, CA 94111
March 6, 1993

Facility Map

Alemany Housing Project

956 Ellsworth Ave., San Francisco, CA

FIGURE

2B

San Francisco City and County Department of Public Health (County Health)

County Health has been the lead agency in the assessment and remediation of lead contaminated soil at the Alemany Housing Project. County Health provided technical overview of the soil sampling investigations and approval of the remediation workplan. County Health does not have guidance clean-up levels for lead in soils. In addition, County Health does not have background lead concentrations for soil in the city of San Francisco (9,10,11).

San Francisco Housing Authority

The SFHA contacted Ms. Gale Guyii of Georgia Tech. University Health Services Program. Ms. Guyii is currently studying lead contamination issues. The SFHA also contacted Mr. Miles Mahoney, President of HES Cambridge, Massachusetts. Mr. Mahoney is a technical consultant on lead issues to the Housing Authority Risk Retention Group (HARRG), the insurance company providing coverage for many housing authorities, including the SFHA. The HARRG has established 500 ppm as an action level based on EPA's recommendations (10).

Regional Water Quality Control Board (RWQCB)

The RWQCB has no knowledge or involvement with the SFHA on the Alemany Housing Project (12).

California Environmental Protection Agency, Department of Toxic Substances Control (Cal EPA DTSC)

Cal EPA DTSC has no knowledge or involvement with the SFHA on the Alemany Housing Project (13).

3.0 Hazard Ranking System Factors

The Hazard Ranking System (HRS) is a scoring system used to assess the relative threat associated with actual or potential releases of hazardous substances from sites. It is the principal mechanism EPA uses to place sites on the National Priorities List (NPL). URS has evaluated the following HRS factors relative to this site.

3.1 Sources of Contamination

URS has identified one primary source of contamination at the site. This source consists of lead contaminated soil over an area of approximately 350,000 square feet. Lead was detected in all 126 soil samples taken at the site during an October 1991 investigation conducted by Environmental Science & Engineering, Inc. (ESE) (consultants to the SFHA). These samples were taken in designated playgrounds, open space turf areas, planters areas, and along the roadway south of the housing project's buildings and north of Alemany Boulevard. The October 1991 investigation revealed lead contamination in all soil samples. The playgrounds vary in size but are generally 1,000 square feet. The open space turf areas vary in size from 250 to 500 square feet. The planter areas are 15 square feet. Lead contamination in soil ranged from 106 to 1,441 ppm. The lowest detected lead concentration was from a composite soil sample taken in Playground 3 (sample B15G). The highest lead contamination in soil was from a composite soil sample taken in turf

area T14 (composite sample T14-A) (3). There are no EPA health-based benchmarks for lead in soil.

Composite soil samples taken from a roadway area north of Alemany Boulevard and south of Buildings 1, 9, 13, 14, 16, 17, and 20 revealed lead concentrations ranging from 552 ppm (sample R-C) to 844 ppm (sample R-A). The roadway area extends the length of the site boundaries and is at least 10 feet wide in some areas (3).

ESE also collected 45 additional soil samples on January 3, 1992. This investigation revealed elevated lead contamination of soil in two open space turf areas (T14 and T15) located at the northeast corner of the site. Additional lead contamination was found in soil from the planter areas of Buildings 11 and 12. The highest concentration of total lead in soil samples collected during this investigation was found in sample CT14A, collected at a 1-inch depth in the T14 turf area. The total lead concentration of this sample was 3,600 ppm. The concentration of lead in a composite soil sample (T15-A) in the T15 turf area was 995 ppm (4). In addition, five of a total of 171 samples underwent soluble lead concentration analyses. The soluble lead concentration in the five samples ranged from 1.2 to 36 ppm (4). There are no federal health-based benchmarks for total or soluble lead in soil.

In April 1992, the soil in turf area T14, where total lead concentration was above 1,000 ppm, was reportedly excavated and disposed of at either the U.S. Ecology landfill in Beatty, Nevada or at Chemical Waste Management's landfill in Kettleman City, California. Also, some soil in the planter areas of Buildings 2, 9, 11, 12, and 13, where the lead concentration was above 500 ppm, was reportedly excavated and disposed off-site. A total of approximately 45 cubic yards of lead contaminated soil was reportedly excavated and removed from the site. ESE has not issued a report of post-remediation confirmation sampling (5,9).

Of the remaining soil on-site, there are three areas of soil contamination with lead above 500 ppm. The first location is at the far northeast corner of the site, behind Building 26. A composite soil sample (T11-C) taken from the turf area at this location revealed a lead concentration of 780 ppm. The second concentrated source of lead contaminated soil is along the roadway, south of the housing project's buildings and north of Alemany Boulevard. Lead in composite soil samples R-A, R-B, and R-C ranges from 552 (R-C), 585 (R-B), and 844 ppm (R-A). The third area, which contains the highest concentration of lead in soil, is the T15 turf area, adjacent to Building 25. A soil sample taken in this area revealed a lead concentration of 995 ppm. (3,4).

SFHA reported that all lead-based paint has either been removed from the buildings or covered with aluminum siding (5). ESE stated that lead contamination in soil is principally attributed to emissions from vehicle exhaust from Alemany Boulevard and I-280, both of which are less than 15 yards south of the site. ESE reported that it is unlikely that soil contamination resulted from lead-based paint chips (14).

3.2 Groundwater Pathway

3.2.1 Hydrogeologic Setting

There is no specific information concerning the subsurface geology of the site. According to ESE, soil samples could not be collected beyond 36 inches due to the presence of rock (4). During a site visit by EPA representatives (URS Consultants, Inc.), rocky terrain was observed at the northeast end of the site in turf area T14 and east of

Building 24 (5). Depth to groundwater in the vicinity of the Alemany Housing Project varies but generally ranges from 13 to 18 feet below ground surface (bgs) (15). The San Francisco area has a net annual precipitation of 9.6 inches (16).

3.2.2 Groundwater Targets

Groundwater is not used for drinking purposes within 4 miles of the Alemany Housing Project (15).

3.2.3 Groundwater Conclusions

Soil contamination at the site is limited to the top 24 inches of soil (4). Groundwater is 13 to 18 feet bgs (15). No drinking water wells are located within 4 miles of the site (17).

3.3 Surface Water Pathway

3.3.1 Hydrologic Setting

A seasonal creek is located approximately 100 feet west of the site. The creek originates from a water shed and flows in a southwest direction. The creek stops at Alemany Boulevard and I-280, and reverses its flow in a southeast direction onto the site. In heavy rains, the creek carries sediments onto a 500-square foot area at the southwest corner of the site near Building 1. The creek does not continue off-site. Rainfall from the site percolates into the ground or runs into storm drains located along Ellsworth Avenue (5).

3.3.2 Surface Water Targets

Surface water is not used for drinking purposes within 15 miles downstream from the site (16). The nearest sensitive environment is 2 miles downstream of the site. This area is Bayshore Boulevard where the San Francisco forktail damselfly (*Ischnura gemina*) has been observed. The San Francisco forktail damselfly is under review for federal designation under the Endangered Species Act (18).

3.3.3 Surface Water Conclusions

There is limited surface water runoff draining from the site; therefore, there is no potential for contaminants to migrate from sources at the site. Stormwater runoff flows into San Francisco Bay, where mixing and dilution occur (5, 13).

3.4 Soil Exposure and Air Pathways

3.4.1 Physical Conditions

The site occupies approximately 8 acres (350,000 square feet) extending in an east-west direction, along the north and south sides of Ellsworth Avenue. Soil is exposed throughout the site, except where there is a building or sidewalk. It is estimated that the paved areas and 25 buildings cover approximately 25 percent of the site. All soil at the site is exposed and accessible to the public (5).

3.4.2 Soil and Air Targets

Approximately 272 people currently live within 200 feet of the contaminated soil areas. When building rehabilitation is complete, approximately 396 people will live within 200 feet of the contaminated areas. A day care center located at the site will service approximately 20 children when rehabilitation of the building is complete. There are two full-time SFHA workers at the site (5).

There is a population of 490,687 people living within 4 miles of the site, according to 1980 census data (19). There are no sensitive environments at the site. A list of sensitive environments located within 4 miles of the site is provided in Table 1 (18).

Table 1
Sensitive Environments Within 4 Miles of the Alemany Housing Project Site

	Distance	Status Fed.	Status State.
San Bruno Mountains	4 Miles		
• Mission blue butterfly (*Icaricia Icarioides missionensis*)		E	---
• San Francisco campion (*Silene verecunda verecunda*)		C2	---
• San Bruno mountain manzanita (*Arctostaphylos imbricata*)		C1	E
Lake Merced/Harding Park	4 Miles		
• California red-legged frog (*Rana Aurora draytoni*)		C2	---
• California black rail (*Laterallus jamaicensis coturniculus*)		C1	T
• Bank swallo (*Riparia riparia*)		---	T
• Tidewater goby (*Eucyclogobius newberryi*)		C2	---
• San Francisco owl's-clover (*Orthocarpus floribundus*)		C2	---
Guatelupe Hills	3 Miles		
• Callippee silverspot butterfly (*Speyeria callippee callippe*)		C2	---
Bayview Hills/Park	3 Miles		
• Diablo rock-rose (*Heltanthella castanea*)		C2	---

Notes:
C1: Category 1 proposed species for inclusion on the endangered species list
C2: Category 2 species under review for inclusion on the endangered species list
T: Threatened species
E: Species listed as endangered
---: Not recognized as a sensitive species

Table 1 (continued)
Sensitive Environments Within 4 Miles of the Alemany Housing Project Site

	Distance	Status	
		Fed.	State.
Laurel Hill Cemetery	3 Miles		
• Laurel Hills manzanita (*Arctostaphylos hookeri franciscana*)		C1	---
• Marin dwarf flax (*Hesperolinon congestum*)		C1	---
Lone Mountain	2.5 Miles		
• San Francisco lessingia (*Lessingia germanorum germanorum*)		C1	E
• Presidio manzanita (*Arctostaphylos hookeri ravenii*)		E	E
Protrero Hills	2.5 Miles		
• Adobe sanicle (*Sanicula maritima*)		C2	R
Bayshore Blvd.	2 Miles		
• San Francisco forktail damselfly (*Ischnura gemina*)		C2	---

Notes:
C1: Category 1 proposed species for inclusion on the endangered species list
C2: Category 2 species under review for inclusion on the endangered species list
R: Rare species
E: Species listed as endangered
---: Not recognized as a sensitive species

3.4.3 Soil and Air Conclusions

Surface soil at the Alemany Housing Project is contaminated with lead. This soil is exposed and accessible to residents, workers, and children (5).

One hundred and seventy-one soil samples were collected in October 1991 and January 1992 at depths ranging from 1 to 24 inches bgs. The total lead concentrations in soil ranged from 59 to 3,600 ppm. The three areas where soil had the highest level of lead contamination were an open space turf area (T15) adjacent to Building 25, an open space turf area (T14) adjacent to Building 26, and along Alemany Boulevard roadway south of Buildings 13 and 14. The levels of lead contamination in soil from these areas were 995 ppm, 3,600 ppm, and 844 ppm, respectively. At least 272 people currently live within 200 feet of the contaminated areas (3,4).

The SFHA set remedial goals at no more than 1,000 ppm of lead in soil located in open space turf areas which includes the roadway. A second remedial goal was set at 500 ppm for soil located in the playgrounds and planter areas adjacent to the buildings (19). Approximately 45 cubic yards of soil was removed in April 1992. This soil was reportedly removed from the T14 turf area and planter areas of Buildings 2, 9, 11, 12, and 13. No soil was removed from the T15 turf area or the roadway area. ESE performed

post remediation soil sampling and monitoring, however, a report has not been issued (9).

Air exposure from lead contaminated soil particulates may affect up to 396 potential residents (272 currently) at the site and 490,687 people within 4 miles of the site (20).

4.0 Emergency Response Considerations

The National Contingency Plan [40 CFR 300.415 (b) (2)] authorizes the Environmental Protection Agency to consider emergency response actions at those sites which pose an imminent threat to human health or the environment. Ms. Jere Johnson of the Site Evaluation Division of EPA spoke to Mr. Terry Brubaker of the Emergency Response Division of EPA, and it was determined that the Alemany Housing Project site did not warrant emergency response action at this time.

5.0 Summary

The San Francisco Housing Authority (SFHA) owns and manages the Alemany Housing Project (site) located at 956 Ellsworth Avenue in San Francisco, California. The site was developed into housing units in 1955. Prior to development, the site was vacant marsh land. The site is composed of 25 housing units (Buildings), including one day care center. There are five designated playground areas, a number of open space turf areas and several planter areas adjacent to the buildings. The entire site contains lead contaminated soil.

SFHA conducted two soil investigations. The first investigation in October 1991 revealed total lead contamination in 126 soil samples taken at a 1-inch depth. Lead contamination ranged from 106 to 1,441 parts per million (ppm). A second investigation conducted in January 1992 included additional sample collection from T14 (where 1,441 ppm lead concentration was detected during the first investigation). Additional soil samples were collected from the T15 turf area and in the planter areas adjacent to Buildings 11 and 12. The highest level of lead contamination (3,600 ppm) was detected from a sample collected at a 1-inch depth in the T14 turf area.

Working under the direction of the City and County of San Francisco Public Health Department, SFHA has reportedly excavated soil in all areas where the lead concentration in soil met or exceeded 1,000 ppm (turf area T14). Soil from planter areas of Buildings 2, 9, 11, 12, and 13 have also been excavated and removed where the lead concentration exceeded 500 ppm. Approximately 45 cubic yards of soil has been removed and disposed of in a Class I hazardous waste landfill.

Currently, the highest level of lead contamination in soil at the site (not removed from remedial activities) is in turf area T15 where a soil sample taken from this area revealed 995 ppm of lead. Composite soil samples collected from the roadway south of Buildings 13, 14, and 16 and north of Alemany Boulevard contained lead concentrations ranging from 552 to 844 ppm.

Environmental Science & Engineering, Inc. (consultant to SFHA) stated that lead contamination in soil is principally attributed to vehicle exhaust lead emissions from Alemany Boulevard and I-280, both of which are less than 15 yards south of the site.

SFHA has not worked with federal, state, or local regulatory agencies in the investigation and remediation of the Alemany Housing Project site. SFHA has proceeded with the site

characterization and remediation of lead contaminated soil under the direction of the City and County of San Francisco Department of Health Services. The Regional Water Quality Control Board and California Environmental Protection Agency Department of Toxic Substances Control have not had any involvement of this site.

The following are the Hazard Ranking System factors pertinent to this site:

- Two hundred and seventy-two people currently live at the site, and approximately 396 people will live at the Alemany Housing Project by July 1993.
- Lead contaminated soil at the site is readily accessible to residents living and attending day care within 200 feet of contaminated soil.
- There are approximately 490,687 people living within 4 miles of the site.
- Groundwater is not used for drinking purposes within 4 miles of the site.
- Surface water is not used for drinking purposes within 15 miles downstream of the site.
- There are no sensitive environments or resources at the site.

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION IX

Site Name: Alemany Housing Project **EPA ID#:** CAD983620642

Alias Site Names:

City: San Francisco **County or Parish:** San Francisco County **State:** CA

Refer to Report Dated: March 29, 1993 **Report type:** Preliminary Assessment

Report developed by: URS Consultants, Inc.

DECISION:

| | **1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:**

| | 1a. Site does not qualify for further remedial site assessment under CERCLA (Site Evaluation Accomplished - SEA)

| | 1b. Site may qualify for further action, but is deferred to: | | RCRA | | NRC

|X| **2. Further Assessment Needed Under CERCLA:** **2a. (optional) Priority:** | | Higher |X| Lower

2b. Activity Type:

| | PA | | | ESI
|X| SI | | | HRS evaluation
| | Other:

DISCUSSION/RATIONALE:

Public housing with area-wide lead contamination of soils. Some soil removal in areas of high concentrations and/or accessibility

Report Reviewed and Approved by: J M Johnson **Signature:** J M Johnson **Date:** 6.8.93

Site Decision Made by: J M Johnson **Signature:** J M Johnson **Date:** 6.8.93

EPA Form # 9100-3

6.0 EPA Recommendation

	Initial	Date
Site Evaluation Accomplished Under CERCLA		
Higher Priority for Further Site Assessment		
Lower Priority for Further Site Assessment	JHJ	6.8.93
Defer to Other Authority (e.g., RCRA, TSCA, NRC)		

Notes:

See next page.

7.0 References

1. San Francisco Independent, *Lead at San Francisco Housing Project,* newspaper article, September 10, 1991.

2. San Francisco Independent, *Alemany Situation Worsens,* newspaper article, March 3, 1992.

3. Environmental Science & Engineering, Inc., *Preliminary Soil Lead Investigation for Alemany Housing Project,* December 11, 1991.

4. Environmental Science & Engineering, Inc., *Report of Findings for Additional Investigation of Lead in Soil at San Francisco Housing Authority, Alemany Project,* March 10, 1992.

5. Faulkner, Tracy A., B&V Waste Science and Technology Corporation (BVWST), and Kenyon A. Larsen, URS Consultants, Inc., Site Reconnaissance Interview and Observations Report of Alemany Housing Project, January 22, 1993.

6. U.S. Geological Survey, topography map of San Francisco South, 7.5-minute Quadrangle, Photorevised 1980.

7. Sherman, Earl, California Transportation System, and Tracy A. Faulkner, BVWST, telephone conversation, February 2, 1993.

8. Pacific Aerial Surveys, aerial photo identification number AV171014, 1948.

9. Atkielski, Ron, San Francisco Housing Authority, and Tracy A. Faulkner, BVWST, personal communication, January 13, 1993.

10. San Francisco Housing Authority, *Report on Possible Alemany Soil Contamination*, September 12, 1991.

11. Yu, Karen, San Francisco Department of Public Health, and Tracy A. Faulkner, BVWST, telephone conversation, February 2, 1993.

12. Lee, Randy, Regional Water Quality Control Board, and Tracy A. Faulkner, BVWST, telephone conversation, January 11, 1993.

13. Tomlinson, Lois, California Environmental Protection Agency, Department of Toxic Substances Control, and Tracy A. Faulkner, BVWST, telephone conversation, January 11, 1993.

14. Environmental Science & Engineering, *Soil Lead "Hot Spot" at Alemany Housing Development,* February 28, 1992.

15. Ng, Tim, San Francisco Department of Public Health, and Tracy A. Faulkner, BVWST, personal communication, January 12, 1993.

16. U.S. Department of Commerce, NOAA, National Weather Service, NOAA Atlas II, Precipitation-Frequency Atlas of the Wester United States, Volume XI-California, P.61, Silver Spring, Maryland, 1973.

17. Kinna, Kim, San Francisco Water Department, and Tracy A. Faulkner, BVWST, telephone conversation, January 11, 1993.

18. California Department of Fish and Game, Natural Diversity Database, printout of San Francisco North and San Francisco South quadrangles, January 18, 1993.

19. Environmental Science & Engineering, *Workplan and Specifications for Excavation and Containment of Lead Impacted Soil at the San Francisco Housing Authority Alemany Project,* March 10, 1992.

20. U.S. Environmental Protection Agency, Office of Toxic Substances, Graphical Exposure Modeling System (GEMS), 1980 census data.

Appendix A
Contact Log and Reports

Contact Log

Facility Name: **Alemany Housing Project**
Facility ID#: **CAD983620642**

Contact	Affiliation	Phone #	Date	Information
Karen Yu	San Francisco Department of Public Health (County Health)	(415) 554-2780	1/11/93	County Health has no record of complaints for the Alemany Housing Project. Ms. Yu said to call Ron Atkielski of the San Francisco Housing Authority (SFHA) for more information at (415) 554-1311.
Lionel Reynolds	Environmental Science & Engineering, Inc. (ESE)	(510) 554-1353	1/11/93	Mr. Reynolds said to call Del Price of the SFHA for information (415) 554-1200.
Del Price	San Francisco Housing Authority (SFHA)	(415) 554-1200	1/11/93	See Contact Report.
Kim Kinna	San Francisco Water Department	(415) 923-2467	1/11/93	Ms. Kinna said that the City and County of San Francisco do not use ground-water for drinking purposes.
Loraine Anderson	County Health, Department of Health Services	(415) 554-2774	1/11/93	Ms. Anderson indicated that there are four wells in the vicinity of the Alemany Housing Project, and all wells are used for industrial purposes.

Contact Log continued

Facility Name: Alemany Housing Project
Facility ID#: CAD983620642

Contact	Affiliation	Phone #	Date	Information
Rochelle Walker	Bay Area Air Quality Management District (BAAQMD)	(415) 771-4784	1/11/93	Ms. Walker indicated that the BAAQMD does not have a file on the Alemany Housing Project.
Ron Atkielski	SFHA - Director of Planning & Design	(415) 554-1311	1/11/93	See Contact Report.
Randy Lee	Regional Water Quality Control Board (RWQCB)	(510) 286-1255	1/11/93	Mr. Lee said that the RWQCB had no file on the Alemany project.
Lois Tomlinson	California Environmental Protection Agency Department of Toxic Substances (Cal EPA DTSC)	(510) 540-3738	1/11/93	Ms. Tomlinson said Cal EPA DTSC does not have a record of the Alemany Housing Project.
Tim Ng	County Health, Bureau of Environmntal Services	(415) 468-1210	1/12/93	Mr. Ng said that there is no record of monitoring wells at the Alemany Housing Project.
Ron Atkielski	SFHA - Director of Planning & Design	(415) 554-1311	1/13/93	See Contact Report.

Contact Log continued

Facility Name: Alemany Housing Project
Facility ID#: CAD983620642

Contact	Affiliation	Phone #	Date	Information
Robert Dohlstrom	SFHA- Rehab & Construction	(415) 554-1392	1/20/93	URS called to set up site visit. Mr. Dohlstrom said to contact John Wilkinson, SFHA Site Supervisor.
John Wilkinson	SFHA-Site Supervisor	(415) 641-7842	1/20/93	URS set up a site visit for 1/22/93 at 9:30 AM.
Earl Sherman	California Transportation System	(510) 286-4444	2/2/93	Mr. Sherman said the I-280 stretch along Alemany Boulevard was completed in October 1963.
Karen Yu	DPH	(415) 554-2780	2/3/93	See Contact Report.
Ron Atkielski	SFHA - Director of Planning & Design	(415) 554-1311	2/3/93	See Contact Report.
Pam Hollis	DPH	(415) 554-2792	2/4/93	See Contact Report.

URS Consultants
Environmental Protection Agency
Site Assessment Program

Contact Report

Contact Made Concerning: **CAD983620642**

Alemany Housing Project
956 Ellsworth/Alemany Blvd.
San Francisco, California 94110
County of San Francisco

Agency or Affiliation Contact: **San Francisco Housing Authority**
Department: Planning & Design
Address: 440 Turk Street
City, State, Zipcode: San Francisco CA 94102
County: San Francisco

Representative Contact:

	1.	2.	3.
Name:	Ron Atkielski	Ron Atkielski	Ron Atkielski
Title:	Director	Director	Director
Contact Phone Number:	(415) 554-1311	(415) 554-1311	(415) 554-1311
Contact Date:	1/11/93	1/13/93	2/3/93
Contact Facsimile Number:	(415) 554-1336	(415) 554-1336	(415) 554-1336

Contacted by URS Representative: Tracy A. Faulkner

Discussion:

1/11/93: Ron Atkielski of the San Francisco Housing Authority (SFHA) returned URS' call. The following information was transmitted over the phone by Mr. Atkielski to URS:

In September 1991, The San Francisco Independent took "baggie" soil samples from soil at the Alemany Housing Project. The newspaper reported its findings in the September 10, 1991 issue. Subsequent to the news article and working with the San Francisco Public Health Department (County Health), SFHA hired Environmental Science and Engineering to perform a site investigation. The investigation revealed contamination in some soil samples which were higher than the newspaper's sampling.

SFHA and County Health consulted with Georgia Tech. University Health Services Program, HES (an insurance consultant) in Cambridge, Massachusetts, and the U.S. EPA in North Carolina and decided that it was best to remove soil which tested over 1,000 parts per million (ppm) of lead and cover (via groundcover) soil which was between 500 and 1,000 ppm of lead. Soil was also removed where lead concentrations in planters adjacent to the buildings were greater than 500 ppm.

Mr. Atkielski said that the SFHA spent approximately $100,000 for soil removal. He could not remember how much soil was removed. They are still in the process of covering residential and public areas with greater than 500 ppm of lead in soil. URS set up a meeting with Mr. Atkielski on January 13, 1993, at 9:00 a.m. to review the Alemany Housing Project files.

1/13/93: URS met with Mr. Ron Atkielski, Director of Planning and Design for the San Francisco Housing Authority (SFHA). Mr. Atkielski is responsible for the investigation and abatement of the lead contaminated soil at the Alemany Housing Project. Mr. Atkielski gave URS an opportunity to fully review and make copies of the project files.

Discussion, continued:

Mr. Atkielski located the Alemany Housing Project at the western corner of the Ellsworth Avenue and Alemany Boulevard intersection. Mr. Atkielski said Interstate 280 runs parallel to Alemany Boulevard. Mr. Atkielski also indicated that several units at the housing project are undergoing rehabilitation.

Mr. Atkielski told URS that this site was developed for low-income housing in the mid 1950s. The SFHA bought the property from a private owner. Before the housing project was developed, the site was an undeveloped marsh area. (Subsequent review of aerial photos AV170612 and AV171014 from Pacific Aerial Surveys Oakland, California, confirmed this information.)

Mr. Atkielski reviewed the history of the contamination problem at the site. According to Mr. Atkielski, the project first came to attention when The San Francisco Independent newspaper reported on September 10, 1991 that measurable quantities of lead (over 500 ppm) were detected is soil in and around the Alemany Housing Project. The SFHA began an investigation program of the soil. The San Francisco Department of Public Health (County Health) has been the lead agency in tracking and advising the SFHA.

With the approval from County Health, the SFHA implemented an investigation and clean-up program. Environmental Science and Engineering, Inc. (ESE) conducted the preliminary investigation. ESE issued a report "Preliminary Soil in Lead Investigation for Alemany Housing Project CAL 1-16" on December 11, 1991. ESE performed an additional soil investigation when a "hot spot" was found during the preliminary investigation. ESE issued "Report of Findings for Additional Investigation of Lead in Soil at San Francisco Housing Authority, Alemany Project" on February 13, 1992 (revised March 10, 1992). The results of the additional investigation showed the highest concentration of soluble lead in soil was from a sample taken in Building 12 planter at a depth of 1 inch.

On March 10, 1992, ESE submitted a "Workplan and Specifications for Excavation and Containment of Lead Impacted Soil at the San Francisco Housing Authority Alemany Project." The workplan was approved by County Health, and the clean-up work occurred in April 1992. According to the workplan, project objectives were to remove all soil which contained 1,000 ppm or more of total lead concentration in soils in open space areas (turf areas) and 500 ppm or more of total lead concentration for soil in planter areas adjacent to the buildings.

Mr. Atkielski indicated that soil abatement activities were completed, and ESE performed sampling and monitoring of the site subsequent to clean-up activities. A report is not available concerning the abatement program and monitoring activities. Mr. Atkielski indicated a report from ESE is due to the SFHA within the next 2 to 3 weeks.

2/3/93: URS contacted Mr. Atkielski to determine if the final report from ESE was available. Mr. Atkielski said that ESE has not issued the report, and he had no specific time frame when the report would be complete.

This contact report was sent for confirmation by: ☐ Letter ☐ Phone ☐ Fax ☐ Other _____

This contact report was reviewed by: _____
(Signature and Date)

URS Consultants
Environmental Protection Agency
Site Assessment Program

Contact Report

Contact Made Concerning: **CAD983620642**
Alemany Housing Project
956 Ellsworth/Alemany Blvd.
San Francisco, California 94110
County of San Francisco

Agency or Affiliation Contact: **San Francisco Housing Authority**
Department: Public Relations
Address: 440 Turk Street
City, State, Zipcode: San Francisco CA 94102
County: San Francisco

Representative Contact:
1. *Name:* Del Price
Title: Public Relations
Contact Phone Number: (415) 554-1200
Contact Date: 1/11/93
Contact Facsimile Number: (415) 554-1336
2.
3.

Contacted by URS Representative: Tracy A. Faulkner

Discussion:

URS contacted Ms. Del Price of the San Francisco Housing Authority (SFHA) per the request of Karen Yu of the San Francisco Department of Public Health and Butch Reynolds of Environmental Science and Engineering (the firm which performed the site investigation, according to a February 1992 news article in The San Francisco Independent).

Ms. Price indicated that Mr. Ron Atkielski is the project manager for the SFHA. Ms. Price said that Mr. Atkielski will be asked to call the URS office.

End Contact Report

URS Consultants
Environmental Protection Agency
Site Assessment Program

Contact Report

Contact Made Concerning: **CA983620642**
Alemany Housing Project
956 Ellsworth Avenue
San Francisco, California
County of San Francisco

Agency or Affiliation Contact: **San Francisco Department of Public Health**
Department: Toxics Division
Address: 101 Grove Street
City, State, Zipcode: San Francisco, CA 94102
County: San Francisco

Representative Contact:

	1.	2.	3.
Name:	Karen Yu	Pam Hollis	
Title:			
Contact Phone Number:	(415) 554-2780	(415) 554-2792	
Contact Date:	2/3/93	2/4/93	
Contact Facsimile Number:			

Contacted by URS Representative: Tracy A. Faulkner

Discussion:

URS spoke to both Pam Hollis and Karen Yu of the San Francisco Department of Public Health (County Health) to determine lead background levels in soil in San Francisco.

Karen Yu indicated that County Health did not have specific information concerning background levels for lead in soil. Ms. Yu indicated that she thought the background levels for lead were consistent with those levels determined by the California State Department of Health Services: 50-100 parts per million (ppm). She suggested I contact Pam Hollis of County Health concerning this subject.

Pam Hollis indicated that most residential soils in San Francisco contain lead concentrations of 10-20 ppm (not above 100 ppm). She also indicated that south of Market Street and in the Marina district soil contains lead concentrations as much as 5,000-10,000 ppm at 10-15 feet below ground surface. Ms. Hollis said the concentration of lead is higher in these areas because backfill was placed in areas where earthquake damage occurred several years ago.

Ms. Hollis indicated that the Alemany Housing Project is a different case with respect to background lead concentrations because it is next to a freeway. Ms. Hollis said it is likely that soils in San Francisco which border heavily trafficked roads contain higher concentrations of lead than soils in residential areas.

End Contact Report

Appendix B
Site Reconnaissance Interview and Observations Report

URS Consultants
Preliminary Assessment
Site Inspection Team

Site Reconnaissance
Interview and Observation Report

Site Information CAD983620642

Name:	**Alemany Housing Project**
Address:	956 Ellsworth at Alemany Blvd.
City, State, Zip Code:	San Francisco, California 94110
Phone Number:	(415) 554–1311
Contact Name:	Ron Atkielski
Date of Site Visit:	1/22/93
URS Site Visit Team:	Tracy A. Faulkner Kenyon A. Larsen

Site Representatives

Name :		*Title*
	John Wilkinson	Site Superintendent, SFHA
	Don Limm	Inspector, SFHA
	Anthony Ihejeto	Property Manager, SFHA

Comments and Observations

The following information was gathered during the interview:

URS representatives Tracy A. Faulkner and Kenyon A. Larsen arrived at the Alemany Housing Project (Alemany or site) at 0945 hours on 1/22/93. URS representatives met with Mr. John Wilkinson with the San Francisco Housing Authority (SFHA). Mr. Wilkinson reported a flooding problem around the northwest side of Building 1. He also reported that current activities at the site include roofing of some buildings, excavation of old concrete, and placement of new concrete sidewalks and patios.

Mr. Wilkinson stated the SFHA recently took over the last phase of rehabilitation construction at the site. The former contractor, Ultrex, worked on the building rehabilitation project for the last 3 years. Disputes between Ultrex and the SFHA forced Ultrex to quit. The SFHA decided to finish the job using in-house personnel. Mr. Wilkinson reported that the SFHA is late in purchasing materials to complete the job. Mr. Wilkinson also noted that the landscape design plans were poorly written.

The buildings are numbered 1 through 26; however, Building 10 has been demolished, and the area is now open turf. Most of the tenant buildings are occupied: Buildings 26, 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15, 14, 12, and 8. The remaining tenant buildings - 13,11, 9, 7, 6, 4, 3, 2, and 1 - are unoccupied. These buildings will be fully occupied once the rehabilitation is complete. Building 5 is designated for a day care center, but is incomplete and currently houses three desks for the construction group. There are a total of 158 units on the site. One hundred and two (102) units are occupied, and 54 units are in various stages of rehabilitation.

Comments and Observations (continued) *1/22/93*

URS representatives spoke to Mr. Don Limm, SFHA Site Inspector for the Alemany roofing operations. Mr. Limm was familiar with the soil excavation activities at the site. He pointed to two general areas of excavation. One area was across the street in the location of Buildings 11 and 12. He noted another area of excavation occurred "up the hill"; he pointed toward Buildings 25 and 26.

Mr. Limm said that lead paint was either removed or enclosed around the window sills of the buildings. All of the buildings have been repainted with lead-free paint.

URS representatives and Mr. Wilkinson met with Mr. Anthony Ihejeto, Property Manager for SFHA. Mr. Ihejeto gave URS a general site plan map showing the type of units and apartments in each building. Mr. Ihejeto counted 272 residents for the 102 occupied units. Mr. Ihejeto also indicated that approximately 20 children from the Alemany Housing Project will attend the day care center.

The following observations were made during the site reconnaissance visit:

URS representatives observed Buildings 1 and 2. Mr. Wilkinson directed URS to the flooded area around the northwest corner of Building 1. Approximately 100 feet northwest and uphill of the flooded location, pampas grass and other tall marsh grasses were observed. Mr. Wilkinson indicated that he heard that before the development was built there was a seasonal creek running west to east through the property.

URS representatives noted two areas on the northeast side of Building 2 where soil is reported to have been removed and backfill placed in the excavated areas. Roofing activities were ongoing at Building 3. No other excavation was apparent at either Buildings 3 or 4.

URS representatives located Playground area #5, immediately west of the day care center (Building 5). Mr. Wilkinson indicated that this area was previously used as a storage area. Mr. Wilkinson said it is a "proposed" playground. It is covered with asphalt and has a storm drain to collect stormwater.

Mr. Wilkinson identified two planter areas of Building 11 and two planter areas of Building 12 where soil excavation and backfill are reported to have taken place. These areas had less vegetation (grasses, small plants) than the planter areas where no soil excavation is reported to have occurred.

Concrete removal activities were occurring at the northeast corner of Building 9. Concrete removal is also anticipated in the southeast corner of this building. Mr. Wilkinson reported that an Environmental Science & Engineering (ESE) representative was recently at the site. ESE is the SFHA consultant which met with Mr. Wilkinson and indicated to him that after personnel have worked in this area, they should wash their hands before smoking or eating. Mr. Wilkinson also reported that the ESE representative said that if soil dusting occurs, the area should be wetted down. According to ESE's March 10, 1992, "Workplan," one soil planter area was at the northeast corner of the Building 9. The second soil planter area was at the southeast corner of the Building 9. Both of these areas were to have been excavated and backfilled. These areas could not be identified by the URS visit since these areas were either covered with new concrete or under construction.

URS representatives located Playground #4 to the east of Building 9 and south of Building 11. The playground contained soil and some sand. Rehabilitation of this area had not begun.

Comments and Observations (continued) *1/22/93*

The soil in the planter areas on southeast corner of Building 13 was to have been excavated and backfilled according to ESE's March 10, 1992, "Workplan". URS identified these areas. Both planter areas had sparse vegetation.

The turf area in front of Building 26 (T14-A) was void of topsoil, thus indicating soil excavation may have occurred in this area. URS also noted that a fenced parking lot directly uphill and to the north of this area had a pile of soil on it. The soil had some vegetation growing from it and other debris (wood, broken concrete) was in the immediate area. Across the street from the parking lot, a vacant lot was for sale.

Mr. Wilkinson remarked that soil from the steep hill behind Building 18 is eroding and piling onto the patio of Building 18. SFHA claims that the soil is eroding due to the lack of preventative erosion measures taken during construction of a house at the top of the hill. The housing contractor denies this claim. Mr. Wilkinson said the situation is unresolved.

URS representatives left the site at 1200 hours.

Appendix C
Photo Log

URS Consultants
100 California Street
San Francisco, CA 94111

FIELD PHOTOGRAPHY LOG SHEET

CAD983620642

Alemany Housing Project
956 Ellsworth Ave.
San Francisco, California
94110

Photo Number: **01**
Date Taken: 1/22/93
Time Taken: 9:45 AM
Direction: West
Weather: Sunny,Cool
Photographer: T. Faulkner

Photograph Description: This photo shows the front of Building 1 facing north. There is evidence of flooding due to a seasonal creek overflow. In the background there is a water shed and pampas grass.

CAD983620642

Alemany Housing Project
956 Ellsworth Ave.
San Francisco, California
94110

Photo Number: **02**
Date Taken: 1/22/93
Time Taken: 9:50 AM
Direction: East
Weather: Sunny,Cool
Photographer: T. Faulkner

Photograph Description: This view is the front of Building 1. Soil sediment is carried onto the site by a seasonal creek overflow.

URS Consultants
100 California Street
San Francisco, CA 94111

FIELD PHOTOGRAPHY LOG SHEET

CAD983620642

Alemany Housing Project
956 Ellsworth Ave.
San Francisco, California
94110

Photo Number: **03**
Date Taken: 1/22/93
Time Taken: 10:15 AM
Direction: North
Weather: Sunny,Cool
Photographer: T. Faulkner

Photograph Description: This photo shows the front of Building 2 facing east. There is evidence of soil remediation and backfilling between the patio steps. Total lead concentration in soil sample B2C taken in this area was 577 parts per millions (ppm). Unexcavated soil area is in the foreground. Total lead concentration in the unexcavated soil area was 370 ppm.

CAD983620642

Alemany Housing Project
956 Ellsworth Ave.
San Francisco, California
94110

Photo Number: **04**
Date Taken: 1/22/93
Time Taken: 10:45 AM
Direction: Northwest
Weather: Sunny,Cool
Photographer: T. Faulkner

Photograph Description: This view is of the east side of Building 5, day care center. Playground 5 is adjacent to the Building 5. The playground has asphalt and a storm drain.

URS Consultants
100 California Street
San Francisco, CA 94111

FIELD PHOTOGRAPHY LOG SHEET

CAD983620642

Alemany Housing Project
956 Ellsworth Ave.
San Francisco, California
94110

Photo Number: **05**
Date Taken: 1/22/93
Time Taken: 11:20 AM
Direction: East
Weather: Sunny,Cool
Photographer: T. Faulkner

Photograph Description: This photo shows the front of Building 12 facing north. The photo shows two planter areas where soil remediation and backfilling took place. Before remediation, total lead concentration in soil sample B12B taken from this area was 664 ppm.

CAD983620642

Alemany Housing Project
956 Ellsworth Ave.
San Francisco, California
94110

Photo Number: **06**
Date Taken: 1/22/93
Time Taken: 11:30 AM
Direction: Southeast
Weather: Sunny,Cool
Photographer: T. Faulkner

Photograph Description: This photo show the front of Building 14 facing southeast. Building 14 is less than 20 feet from Alemany Boulevard and I-280. Roadway area composite sample R-B for this area contains a total lead concentration of 582 parts per million. No remediation has occurred in this area.

URS Consultants
100 California Street
San Francisco, CA 94111

FIELD PHOTOGRAPHY LOG SHEET

CAD983642620

Alemany Housing Project
956 Ellsworth Ave.
San Francisco, California
94110

Photo Number: **07**
Date Taken: 1/22/93
Time Taken: 11:50 AM
Direction: East
Weather: Sunny,Cool
Photographer: T. Faulkner

Photograph Description: This photo show turf area T-14 with the front of Building 26 facing northwest. There is evidence of soil remediation with no backfilling. Highest total lead concentration of soil from this area prior to excavation was 3,600 ppm.

CAD983620642

Alemany Housing Project
956 Ellsworth Avenue
San Francisco, California
94110

Photo Number: **08**
Date Taken: 1/22/93
Time Taken: 11:50 AM
Direction: West
Weather: Sunny,Cool
Photographer: T. Faulkner

Photograph Description: This view shows turf area T15 with the rear of Building 25 and laundry lines on the left. The soil in this area was not remediated. Total lead concentrations in seven soil samples taken at a 1-inch depth from this area ranged from 59 ppm to 995 ppm.

URS Consultants
401 E. Ocean Blvd
LongBeach, CA 90802

FIELD PHOTOGRAPHY LOG SHEET

CAD983620642

Alemany Housing Project
956 Ellsworth Avenue
San Francisco, California

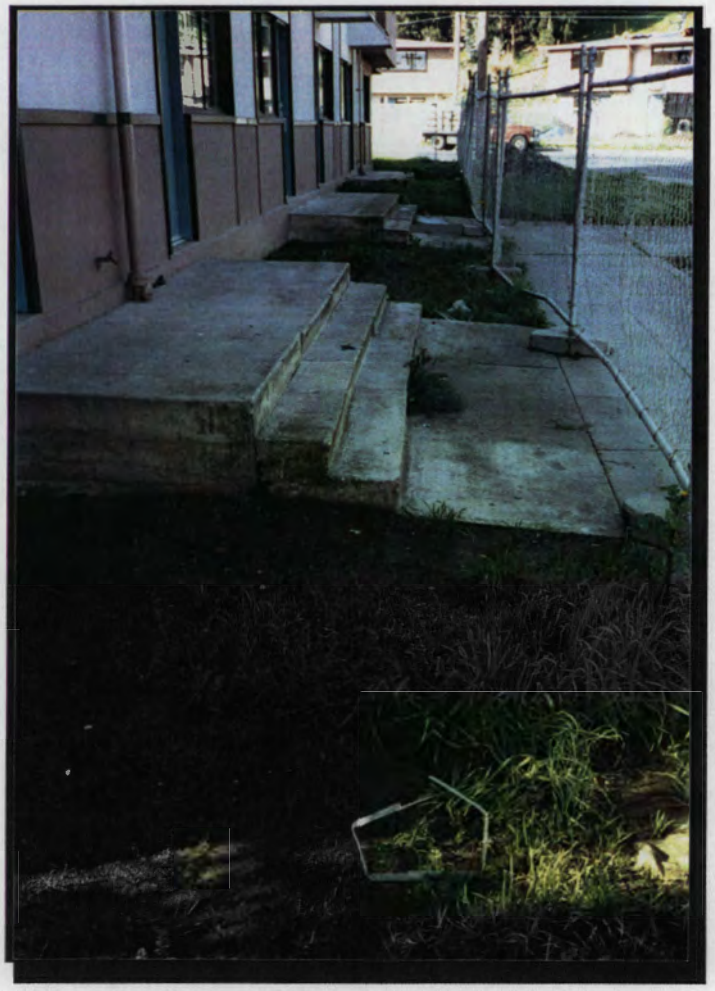


Photo Number: **09**
Date Taken: 1/22/93
Time Taken: 10:55 AM
Direction: West
Weather: Sunny,Cool
Photographer: T. Faulkner

Photograph Description:

This photo shows the front of Building 11 facing north. There is evidence of reported soil excavation and backfilling in the foreground planter area and middle planter area between the patio steps. Background planter area shows unexcavated soil with thicker vegetation.

Appendix D
Latitude/Longitude Log

LATITUDE AND LONGITUDE CALCULATION WORKSHEET #1 WHEN USING CUSTOM RULER OR COORDINATOR (TM)

SITE: Alemany Housing Project NUMBER: CAD983620642

AKA: _____ SSID: _____

ADDRESS: 956 Ellsworth Ave.

CITY: San Francisco STATE: California ZIP CODE: 94110

SITE REFERENCE POINT: Building #5 on housing project site

TOPO MAP San Francisco South TOWNSHIP: 2 South RANGE: 5 West

SCALE: 1:24,000 MAP DATE: 1956, rev. 1980 SECTION: ___ 1/4 ___ 1/4 ___ 1/4 ___ 1/4

MAP DATUM: ☒ 1927 ☐ 1983 MERIDIAN: Mount Diablo

COORDINATES FROM LOWER RIGHT (SOUTHEAST) CORNER OF 7.5' MAP:

LONGITUDE: 122° 22' 30" LATITUDE: 37° 37' 30"

COORDINATES FROM LOWER RIGHT (SOUTHEAST) CORNER OF 2.5 SUB-MAP:

LONGITUDE: 122° 25' 00" LATITUDE: 37° 42' 30"

CALCULATIONS: LATITUDE (7.5 MINUTE QUADRANGLE MAP)

A) ALIGN THE BOTTOM OF THE SCALE WITH BOTTOM OF GRID. ALIGN THE TOP OF THE SCALE WITH THE TOP OF GRID. POSITION EDGE OF RULER OVER SITE REFERENCE POINT WHILE KEEPING TOP AND BOTTOM ALIGNED.

B) READ TICS ON RULER AT 1OR 0.5 SECOND INTERVALS. (INTERPOLATE IF POSSIBLE)

1' 27"

C) RECORD LATITUDE: 37°43'57" N

CALCULATIONS: LONGITUDE (7.5 MINUTE QUADRANGLE MAP)

A) ALIGN THE BOTTOM OF THE SCALE WITH THE RIGHT SIDE OF GRID. ALIGN THE TOP OF THE SCALE W ITH THE LEFT SIDE OF GRID. POSITION EDGE OF RULER OVER SITE REFERENCE POINT WHILE KEEPING TOP AND BOTTOM ALIGNED.

B) READ TICS ON RULER AT 1 SECOND INTERVALS. (INTERPOLATE IF POSSIBLE)

0' 04"

C) RECORD LONGITUDE: 122°25'04"W

INVESTIGATOR: Tracy A. Faulkner DATE: 1/28/93

SPGIT Data Package Report

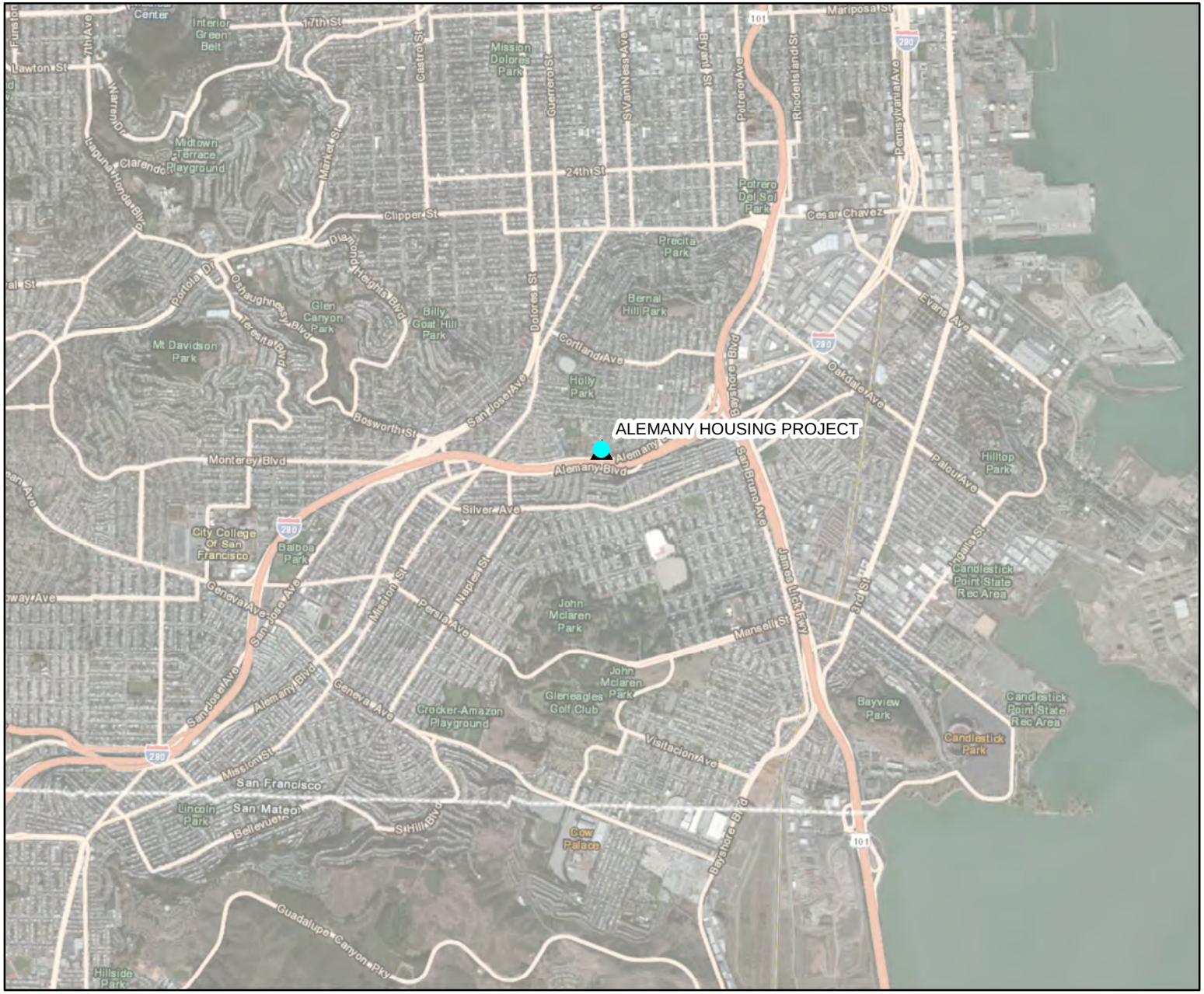
Figure 1 SPGIT Priority Areas

Alemany Housing Project

956 Elsworth/Alemany Blvd., San Francisco CA

Region 9 GIS Center

Department of Toxic Substances Control



PA/SI Backlog

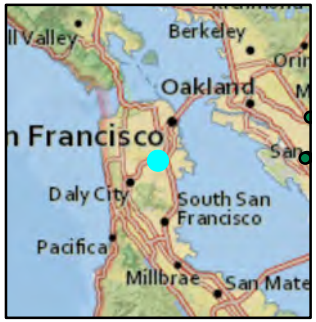
▲ Site

SPGIT Areas Quantile

- 4 Highest Priority
- 3
- 2
- 1 Lowest Priority

EPA Preliminary Assessment/Site Investigation (PA/SI) Backlog Sites
Cyan symbol refers to selected site.

DTSC Spatial Prioritization Geographic Information Tool (SPGIT)
SPGIT grid numbers refer to rank from 1 to 491.



N
W E
S

0 1,000 2,000 4,000 Feet

ArcGIS online ESRI basemaps

Figure created Feb 28 2014

Figure 3 Soil Analysis (200 and 400-foot buffer)

Alemany Housing Project

956 Elsworth/Alemany Blvd., San Francisco CA

Region 9 GIS Center

Department of Toxic Substances Control

200_ft_buffer

400_ft_buffer

PA/SI Backlog

- **Site**
- **SWQCB Cleanup Sites**
- **DTSC Active Sites**
- **Schools**

EPA PA/SI Backlog Sites
Cyan symbol refers to selected site
Site names labelled with white halo

State Water Resources Control Board (SWRCB) Geotracker database

DTSC Active Sites from Envirostor database

ArcGIS online ESRI basemaps

Figure created Feb 28 2014

N
W E
S

0 50 100 200 Feet

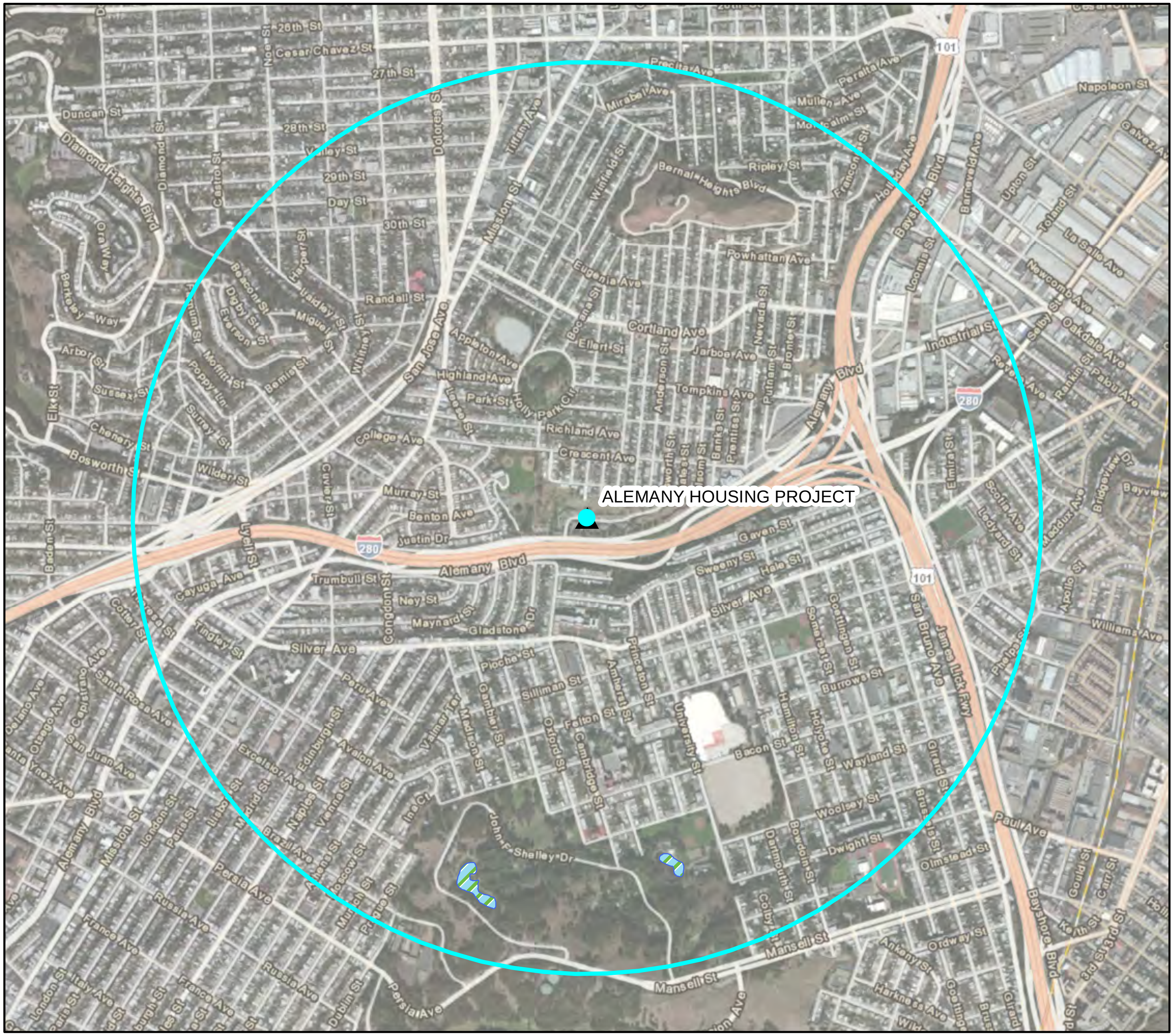
EPA
Region 9 GIS Center

Figure 4 Sensitive Environments (1-mile buffer)

Alemany Housing Project

956 Elsworth/Alemany Blvd., San Francisco CA

Department of Toxic Substances Control



1_mi_buffer

PA/SI Backlog

- **Site**
- **Surface Water Feature**
- **USFWS Wetlands**

EPA PA/SI Backlog Sites
Cyan symbol refers to selected site
Site names labelled with white halo

US Fish and Wildlife Service (USFWS)
Blue features refer to surface water

ArcGIS online ESRI basemaps

Figure created Feb 28 2014

N
W E
S

0 500 1,000 2,000
Feet

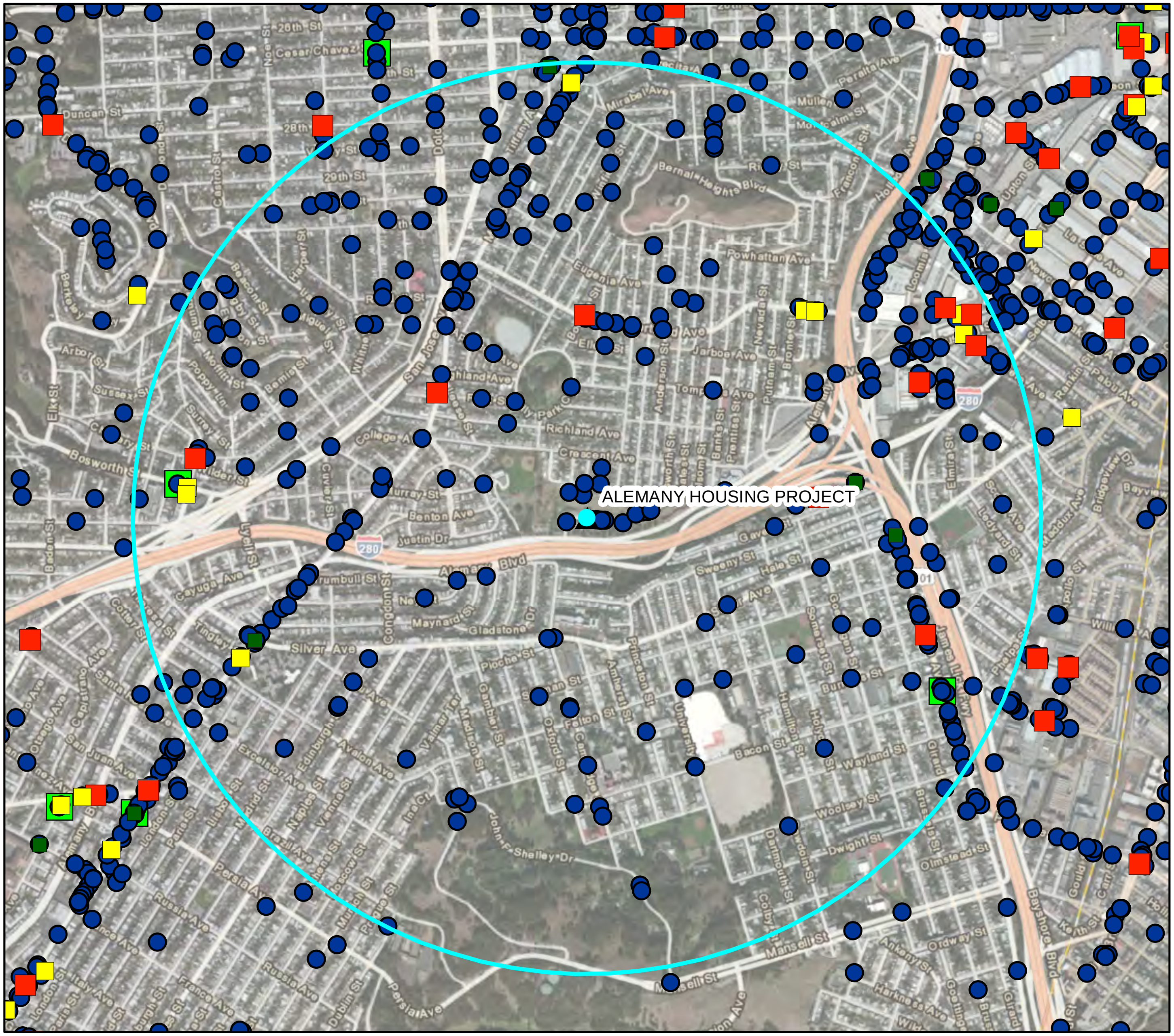
EPA
Region 9 GIS Center

Figure 5 Potential Hazardous Waste Sites (1-mile buffer)

Alemany Housing Project

956 Elsworth/Alemany Blvd., San Francisco CA

Department of Toxic Substances Control



PA/SI Backlog

- ▲ **Site**
- 1_mi_buffer

HWTS Halogenated Waste (Tons)

- 0.0 - 0.1
- 0.2 - 0.5
- 0.6 - 191430.8
- **HWTS Generators**
- **Historical Dry Cleaners**

EPA PA/SI Backlog Sites
Cyan symbol refers to selected site
Site names labelled with white halo

DTSC Hazardous Waste Tracking System
(HWTS) generators and halogenated quantities

ArcGIS online ESRI basemaps

Figure created Feb 28 2014

N
W E
S

0 500 1,000 2,000 Feet

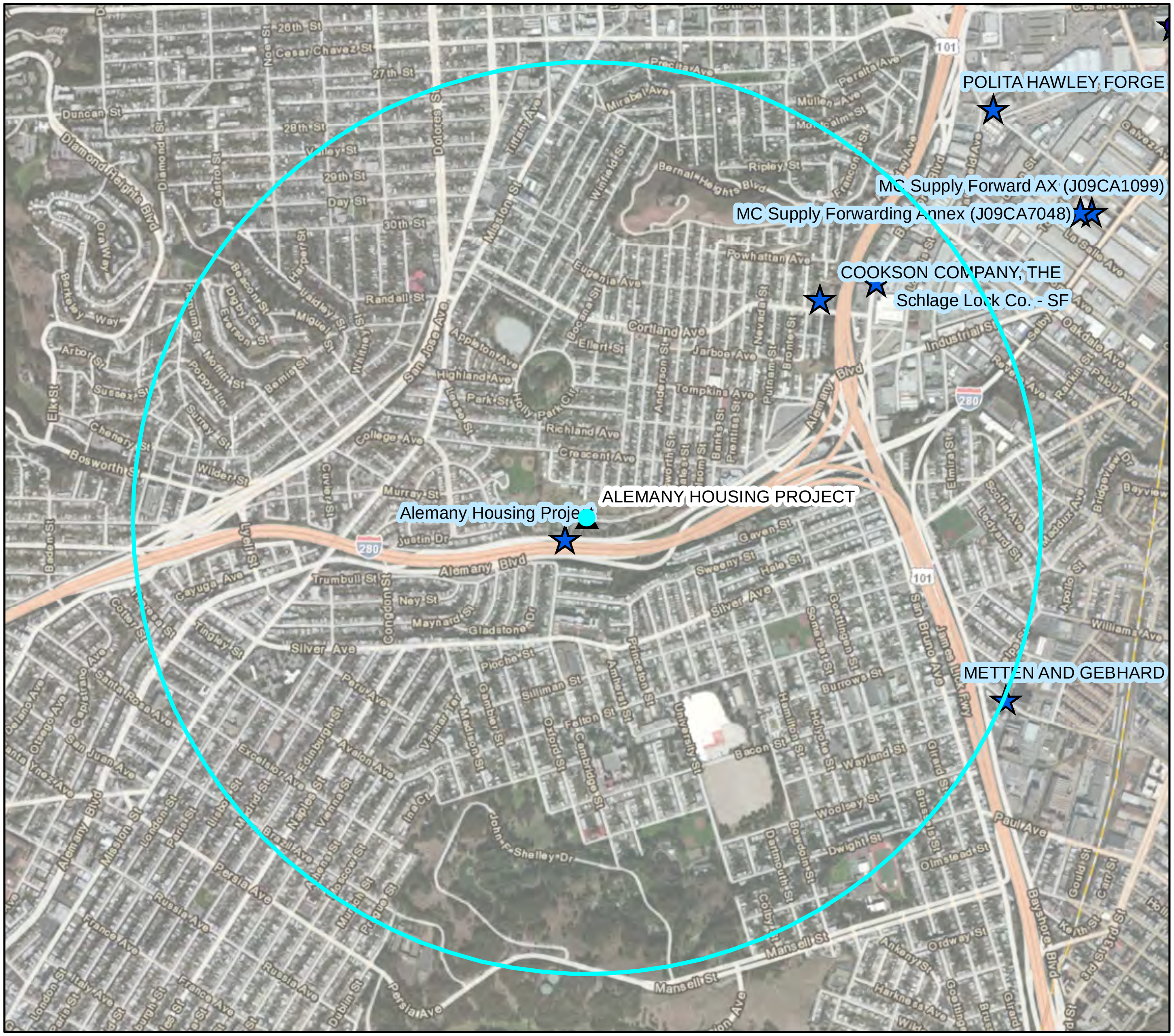
EPA
Region 9 GIS Center

Figure 6 Other DTSC Sites (1-mile buffer)

Alemany Housing Project

956 Elsworth/Alemany Blvd., San Francisco CA

Department of Toxic Substances Control



1_mi_buffer

PA/SI Backlog

- **Site**
- **DTSC Active Sites**
- **DTSC Cleanup and Investigation Sites**

EPA PA/SI Backlog Sites
Cyan symbol refers to selected site
Site names labelled with white halo

DTSC sites from
Envirostor database

ArcGIS online ESRI basemaps

Figure created Feb 28 2014

N
W E
S

0 500 1,000 2,000 Feet

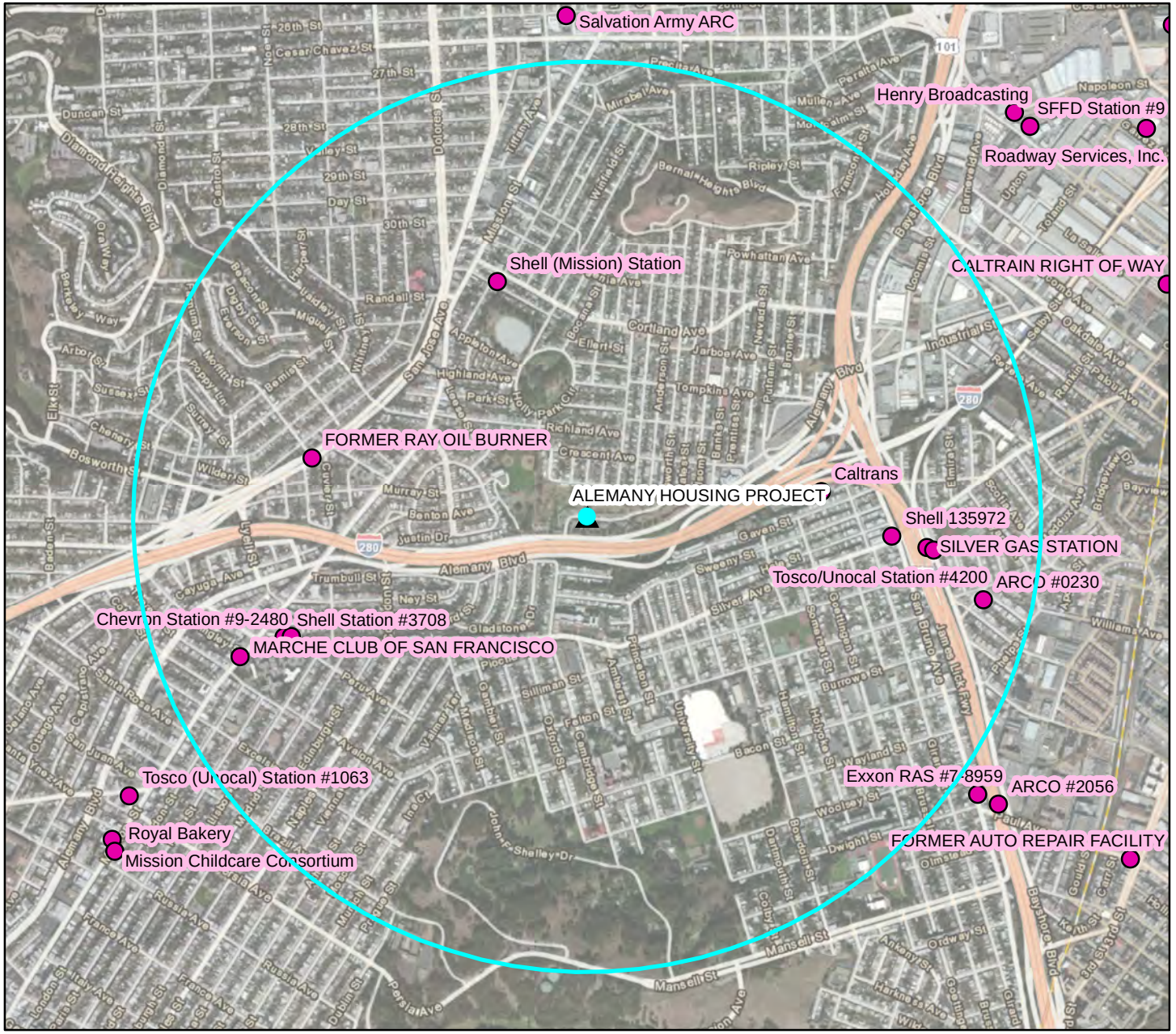
Figure 7 Active RWQCB Sites (1-mile buffer)

Alemany Housing Project

956 Elsworth/Alemany Blvd., San Francisco CA

EPA Region 9 GIS Center

Department of Toxic Substances Control



1_mi_buffer

PA/SI Backlog

- **Site**
- **Active SWRCB Geotracker Sites**
- **Active RWQCB Cleanup Sites**

EPA PA/SI Backlog Sites
Cyan symbol refers to selected site
Site names labelled with white halo

RWQCB Sites from Geotracker database

ArcGIS online ESRI basemaps

Figure created Feb 28 2014

N W E S

0 500 1,000 2,000 Feet

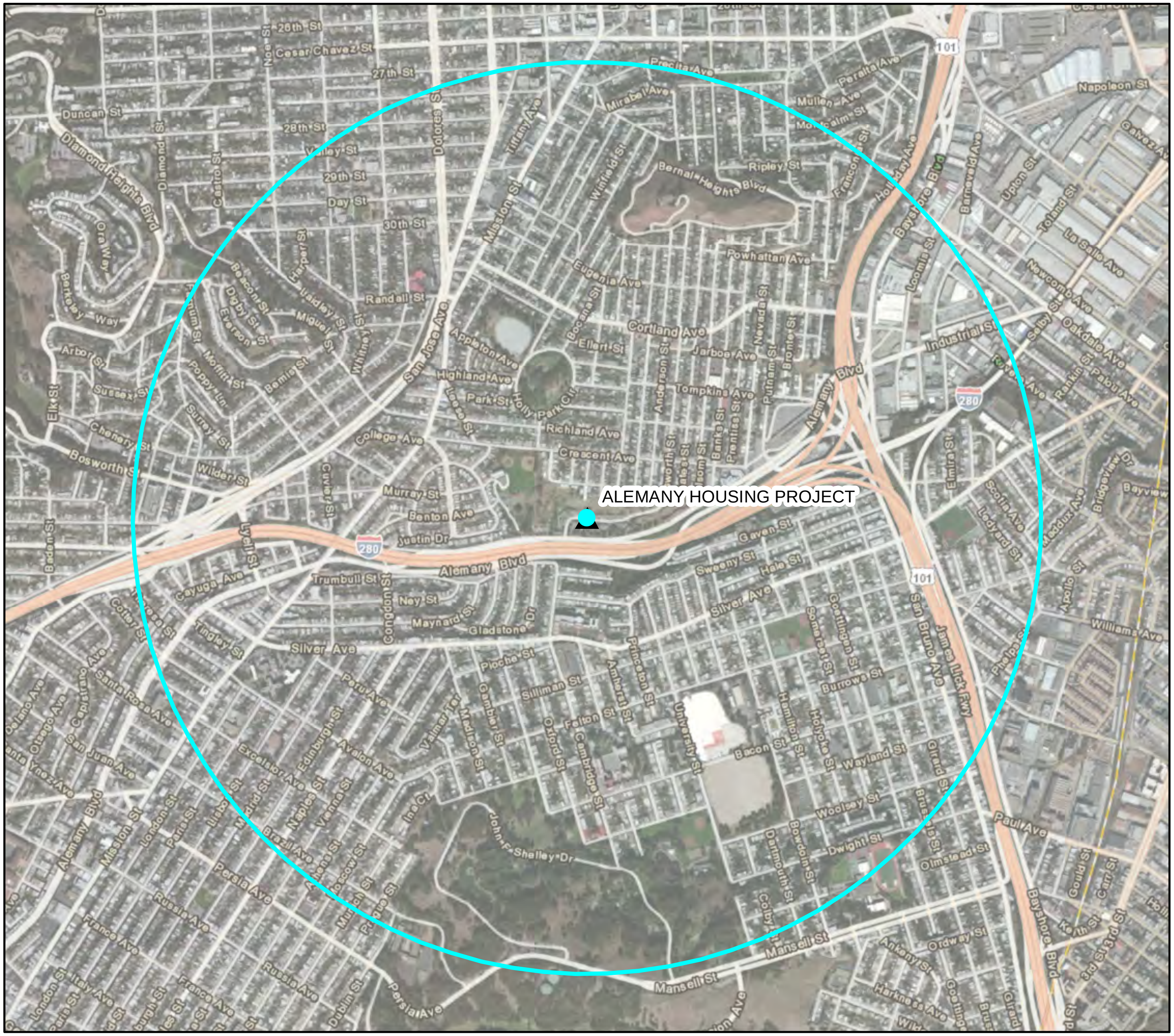
EPA
Region 9 GIS Center

Figure 8 USEPA Non-NPL Sites (1-mile buffer)

Alemany Housing Project

956 Elsworth/Alemany Blvd., San Francisco CA

Department of Toxic Substances Control



1_mi_buffer

PA/SI Backlog

▲ **Sites**

EPA PA/SI Backlog Sites
Cyan symbol refers to selected site
Site names labelled with white halo

EPA Non-NPL sites sourced from
PA/SI Backlog Inventory

ArcGIS online ESRI basemaps

Figure created Feb 28 2014

N
W E
S

0 500 1,000 2,000
Feet

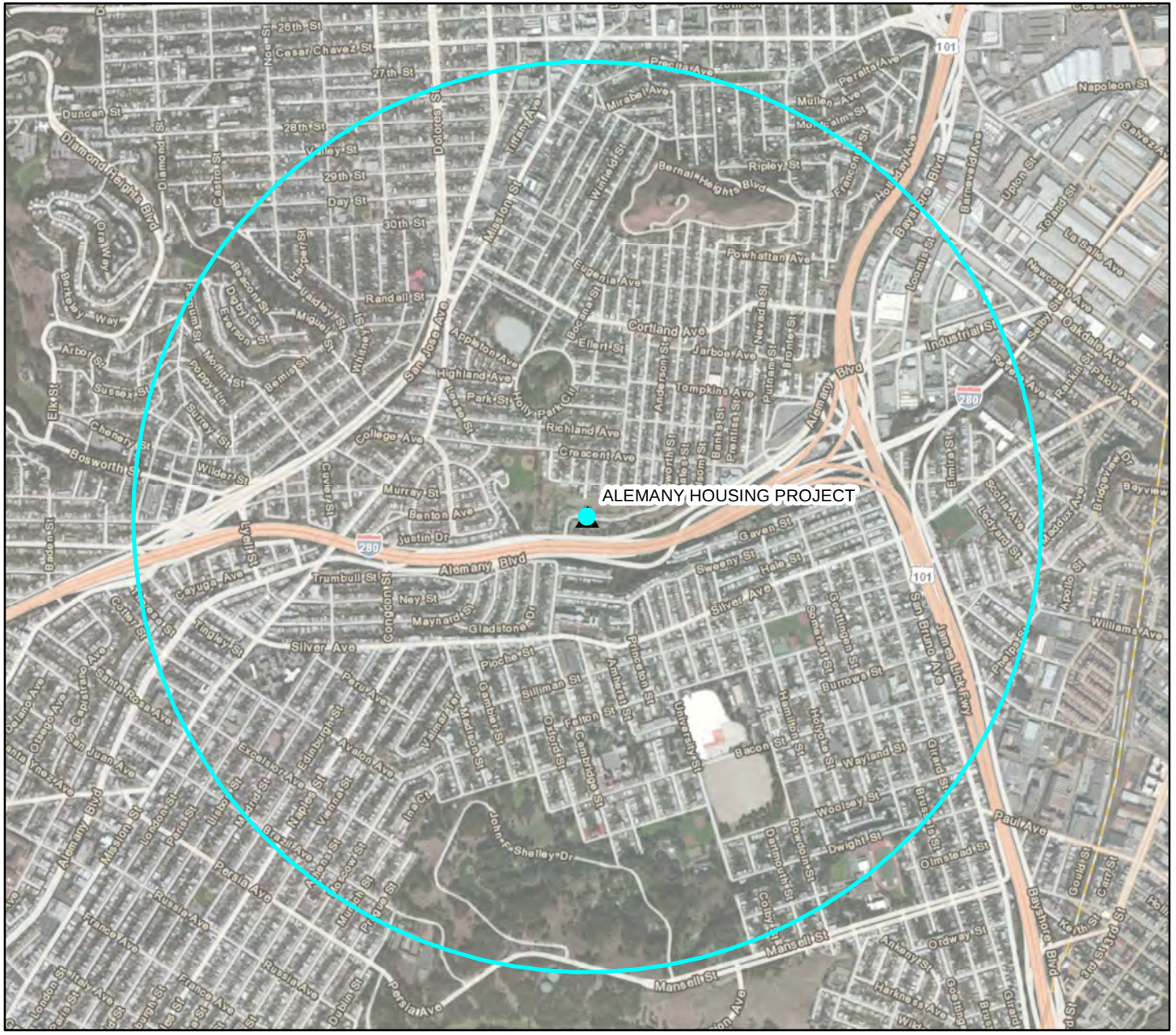
Figure 9 Active USEPA NPL Sites (1-mile buffer)

Alemany Housing Project

956 Elsworth/Alemany Blvd., San Francisco CA

EPA Region 9 GIS Center

Department of Toxic Substances Control



1_mi_buffer

PA/SI Backlog

Site

NPL_Polys

EPA PA/SI Backlog Sites
Cyan symbol refers to selected site
Site names labelled with white halo

DTSC sites from
Envirostor database

ArcGIS online ESRI basemaps

Figure created Feb 28 2014

N
W E
S

0 500 1,000 2,000
Feet

Envirostor Document

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

ALEMANY HOUSING PROJECT (60000941)

SIGN UP FOR EMAIL ALERTS

956 ELSWORTH/ALEMANY BLVD.
SAN FRANCISCO, CA 94110
SAN FRANCISCO COUNTY
SITE TYPE: EVALUATION

SUPERVISOR: KAREN TOTH
OFFICE: CLEANUP BERKELEY

Site Information

CLEANUP STATUS
REFER: EPA AS OF 7/29/2008

SITE TYPE: EVALUATION		**ENVIROSTOR ID:**	60000941
NATIONAL PRIORITIES LIST: NO		**SITE CODE:**	
ACRES: 8 ACRES		**SPECIAL PROGRAM:**	EPA - PASI
APN: NONE SPECIFIED		**FUNDING:**	EPA GRANT
CLEANUP OVERSIGHT AGENCIES:		**ASSEMBLY DISTRICT:**	17
DTSC - SITE CLEANUP PROGRAM - LEAD		**SENATE DISTRICT:**	11

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
NONE SPECIFIED

POTENTIAL CONTAMINANTS OF CONCERN
NONE SPECIFIED

POTENTIAL MEDIA AFFECTED
NONE SPECIFIED

Site History

Alemany Housing Project provides low-income housing in San Francisco which is located on Alemany Blvd.. Soil sampling investigations were conducted in 1991 and 1992 to assess any lead contamination at the property under the oversight of the City of San Francisco. The investigation results indicated lead concentrations above the screening levels in a few locations. In 1992, soil removal was conducted at the impacted areas of the property. Triage recommends to conduct further investigation to determine adequacy of the 1992 removal activities.

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0.2578125 seconds

HWTS Data

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Deborah O. Raphael, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr.
Governor

EPA ID PROFILE

ID Number: CAC000700744 **Name :** 1X HSG AUTH OF CITY & CO OF S F

Status: INACTIVE **Inactive Date:** 10/25/2000 **Record Entered:** 12/05/1991 **Last Updated:** 10/25/2000

County: SAN FRANCISCO **NAICS:** **SIC:**

	Name	Address	City	State	Zip Code	Phone
Location	1X HSG AUTH OF CITY & CO OF S F	956 ELLSWORT ST	SAN FRANCISCO	CA	941100000	
Mailing		--	ALAMEDA	CA	945010000	
Owner	CITY & CO OF S F	--	--	99	--	0000000000
Operator/ Contact	KIRSCHENHEUTER, JILL/SCTY	--	--	99	--	5105225587

Based ONLY upon ID Number **CAC000700744**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
NO	NO	NO

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Current Site Photo


STREET VIEW
1010 Ellsworth St
San Francisco, CA 94110 – approximate address
Ellsworth Street
Saint Mary's Playground
Bentley Ave
Ellsworth St
Southern Fwy
280
Back to Map
Google
Ellsworth Street
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Privacy
Report a problem